

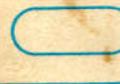
FLOWCHARTING TEMPLATE

FORM X20-8020

The symbols shown on this envelope are recommended for use in the preparation of system and program flowcharts.

A detailed description of FLOWCHARTING TECHNIQUES can be found in the IBM Data Processing Techniques manual by that name (C20-8152).

PROGRAM FLOWCHART SYMBOLS

SYMBOL	REPRESENTS
	PROCESSING A group of program instructions which perform a processing function of the program.
	INPUT/OUTPUT Any function of an input/output device (making information available for processing, recording processing information, tape positioning, etc.).
	DECISION The decision function used to document points in the program where a branch to alternate paths is possible based upon variable conditions.
	PROGRAM MODIFICATION An instruction or group of instructions which changes the program.
	PREDEFINED PROCESS A group of operations not detailed in the particular set of flowcharts.
	TERMINAL The beginning, end, or a point of interruption in a program.
	CONNECTOR An entry from, or an exit to, another part of the program flowchart.
	OFFPAGE CONNECTOR A connector used instead of the connector symbol to designate entry to or exit from a page.
	FLOW DIRECTION The direction of processing or data flow.

SUPPLEMENTARY SYMBOL FOR SYSTEM AND PROGRAM FLOWCHARTS

	ANNOTATION The addition of descriptive comments or explanatory notes as clarification.
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SYSTEM FLOWCHART SYMBOLS

PROCESSING		INPUT/OUTPUT	
A major processing function.		Any type of medium or data.	
PUNCHED CARD		PERFORATED TAPE	
All varieties of punched cards including stubs.		Paper or plastic, chad or chadless.	
DOCUMENT		TRANSMITTAL TAPE	
Paper documents and reports of all varieties.		A proof or adding machine tape or similar batch-control information.	
MAGNETIC TAPE		DISK, DRUM, RANDOM ACCESS	
OFFLINE STORAGE		DISPLAY	
Offline storage of either paper, cards, magnetic or perforated tape.		Information displayed by plotters or video devices.	
ONLINE KEYBOARD		SORTING, COLLATING	
Information supplied to or by a computer utilizing an online device.		An operation on sorting or collating equipment.	
CLERICAL OPERATION		AUXILIARY OPERATION	
A manual offline operation not requiring mechanical aid.		A machine operation supplementing the main processing function.	
KEYING OPERATION		COMMUNICATION LINK	
An operation utilizing a key-driven device.		The automatic transmission of information from one location to another via communication lines.	
FLOW			
		The direction of processing or data flow.	

